CCRMP

Canadian Certified Reference Materials Project

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PCMRC

Projet canadien de matériaux de référence certifiés

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Certificate of Analysis

GTS-2

Gold Tailings Reference Material

RECOMMENDED VALUE

Constituent	Au	
	µg/g	oz/ton
Mean	**0.263**	**0.0077**
95% confidence limits	± 0.005	± 0.0001

DESCRIPTION

GTS-2 is a gold tailings sample obtained from Placer Dome Canada Limited, South Porcupine, Ontario. It is intended to replace GTS-1, which is now depleted. GTS-1 was a composite of tailing from Placer Dome and the Macassa Division of Lac Minerals.

The sample for GTS-2 was taken from the No. 5 Dam and shipped under water in two 45-gallon drums to CANMET for processing.

The liquid from the bulk sample was decanted, and the remainder was dried on steam beds for 12 hours. Once dried, the material was passed through a jaw crusher to break up agglomerates.

The resultant sample was screened directly, in batches, without further milling. The weight of -200-mesh material obtained was 611 kg.

GTS-2 was blended according to a split-blending protocol, and bottled in 1497 400-g units.

The ore at Placer Dome Canada's Dome Mine consists of gold in quartz and ankerite; pyrite and pyrrhotite are present to the extent of about 2.5%. The host rocks are intermediate greenstone, conglomerate, slate, and porphyry. The ore is treated with sodium cyanide, and the gangue is disposed of as tailings.

The homogeneity of the stock with respect to its gold content was confirmed at CANMET using bottles chosen according to a stratified random sampling scheme.

CERTIFICATION

Thirty-one industrial, commercial, and government laboratories participated in an interlaboratory certification program by providing gold analyses by methods of each laboratory's choice. Several laboratories also provided analyses for many other elements. A statistical analysis of the data yielded a certified value for gold and information values for twenty other constituents. Data for the remaining elements was either inadequate or inconclusive, but will be disclosed in the final report.

LEGAL NOTICE

The Canadian Certified Reference Materials Project has prepared this reference material and statistically evaluated the analytical data of the inter-laboratory certification program to the best of its ability. The purchaser, by receipt hereof, releases and indemnifies the Canadian Certified Reference Materials Project from and against all liability and costs arising out of the use of this material and information.

REFERENCE

The preparation and certification procedures used for GTS-2 will be given in CANMET report *CCRMP 94-7E* which is in preparation. This report will be made available free of charge on application to:

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INFORMATION VALUES

Constituent	wt %
Al_2O_3	12.
CaO	5.7
Fe_2O_3 tot	11.1
K_2O	2.2
MgO	4.3
Na_2O	0.9
P_2O_5	0.2
SiO_2	50.
TiO_2	0.75
LOI	9.3
S tot	0.8
C tot	2.4

Element	µg/g
Ag	1
As	110
Ba	190
Cr	250
Cu	100
Ni	90
Sr	95
V	40
Zn	210

Pour obtenir la version française du présent certificat d'analyse, prière de s'adresser au Coordinateur du PCMR.